Cytometer Performance Report

Cytometer:	FACSCantoII	User:	Administrator
Cytometer Name:	FACSCantoII	Institution:	N/A
Serial Number:	V33896201821	Software:	BD FACSDiva 6.1.3
Input Device:	Carousel	Date:	12/26/2017 11:05 AM
Tube Loaded Manually:	Yes	Cytometer Baseline:	10/18/2017 09:13 AM
Cytometer Configuration:	Euroflow 3-laser, 8-color (4-2-2)	P/F:	Pass

Setup Beads

Bead Product: CST Setup Beads, Part #: 910723
Lot ID: 25720, Expiration Date: 06/30/2017 (Expired)
Bead Lot Information: Available

Detector Settings

Laser	Detector	Parameter	Target Value	Actual Target Value	% Difference Target Value	Bright Bead % Robust CV	Mid Bead Median Channel	Mid Bead % Robust CV
Blue	FSC	FSC	125000	124576	-1	1.57	124495	1.55
Blue	F	SSC	125000	124036	-1	3.43	124353	3.34
Blue	E	FITC	23615	22756	-4	2.67	1020	10.33
Blue	D	PE	26739	26400	-2	2.23	950	9.83
Blue	B	PerCP-Cy5-5	48339	47033	-3	3.67	1353	17.03
Blue	A	PE-Cy7	45021	43625	-4	5.44	685	35.69
Red	C	APC	53064	52228	-2	2.88	2995	9.58
Red	A	APC-Cy7	57175	56183	-2	2.83	1184	11.09
Violet	B	V450	14728	14271	-4	4.67	674	9.49
Violet	A	V500	58621	57544	-2	4.45	2543	6.95

Detector Settings (Continued)

Laser	Detector	Parameter	Dim Bead Median Channel	Dim Bead % Robust CV	PMTV	Δ PMTV	Qr	Br	P/F
Blue	FSC	FSC	18829	2.38	607	-7	N/A	N/A	Pass
Blue	F	SSC	61019	1.56	544	-2	N/A	N/A	Pass
Blue	E	FITC	109	37.97	542	-6	0.0201	33	Pass
Blue	D	PE	206	29.84	535	-1	0.1664	279	Pass
Blue	B	PerCP-Cy5-5	210	45.80	632	-3	0.0100	112	Pass
Blue	A	PE-Cy7	75	121.78	690	-3	0.0117	20	Pass
Red	C	APC	350	27.58	596	-1	0.0199	43	Pass
Red	A	APC-Cy7	130	39.71	577	-3	0.0056	1650	Pass
Violet	B	V450	83	39.98	463	-7	0.0410	1366	Pass
Violet	A	V500	183	21.18	491	-6	0.0134	0	Pass

Specifications

PMTV Delta from baseline: 50 (BD)
Violet Laser Primary Channel Bright Bead %Robust CV: 6.00 (Recommended)
Blue Laser Primary Channel Bright Bead %Robust CV: 6.00 (Recommended)
Red Laser Primary Channel Bright Bead %Robust CV: 6.00 (Recommended)

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Laser Settings

Laser	Power (mW)	Power Spec. (mW)	Current (mA)	Current Spec. (mA)	Delay (Trigger on FSC)	Delay (Trigger on Fluorescence)	Area Scaling Factor
Violet	59.55	47.98 - 71.98	N/A	N/A	-31.73	-31.24	0.94
Blue	20.34	16.27 - 24.41	1.25	0.99 - 1.49	0.00	0.00	1.34
Red	18.73	14.40 - 21.60	N/A	N/A	31.11	31.50	1.17

Window Extension: 7.00
FSC Area Scaling Factor: 0.87

Threshold

Threshold (FSC): 13179

Fluidics

FACSFlow Pressure: 3.90 Sample Pressure: 3.70
Spec.: 3.80 - 4.00

Comments